



## SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hagh et al. Attorney Docket: 2550/167  
 Serial No: 10/265,485 Art Group Unit: 2133  
 Date Filed: July 23, 2003 Examiner Name: Not yet assigned  
 Invention: Reduced Complexity Turbo Decoding Scheme

### LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
SMB	AA	US 5,761,248	06/02/1998	Hagenauer et al.	375/340
SMB	AB	US 5,734,962	03/31/1998	Hladik et al.	371/137.4
SMB	AC	US 5,729,560	05/17/1998	Hagenauer et al.	371/43.1
SMB	AD	US 5,721,746	02/24/1998	Hladik et al.	371/43
SMB	AE	US 5,721,745	02/24/1998	Hladik et al.	371/43
SMB	AF	US 5,563,897	10/08/1996	Pyndiah et al.	371/37.4
SMB	AG	US 5,537,444	07/16/1996	Nill et al.	375/341
SMB	AH	US 5,181,209	01/19/1993	Hagenauer et al.	371/43
SMB	AI	US 5,406,570	04/11/1995	Berrou et al.	371/43
SMB	AJ	US 5,446,747	08/29/1995	Berrou	371/45

OTHER DOCUMENTS			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
SMB	AK	M. Hagh	"Design of Turbo Coded Modulation for Bandwidth Limited Channels," M.S. thesis, University of Tehran, March 1999
SMB	AL		3G TS 25.212 V3.1.0 (1999-21) <a href="http://www.3gpp.org">http://www.3gpp.org</a> ; 3 <sup>rd</sup> Generation Partnership Project: Technical Specification Group Radio Access Network; Multiplexing and channel coding (FDD), 12/12/1999
SMB	AM	C. Berrou, A. Glavieux, and P. Thitimajshima	"Near Shannon Limited Error-Correcting Coding and Decoding Turbo-Codes (1)," in Proc. ICC' 93, May 1993, Geneva, Switzerland, pp. 1064-1070

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SMB	AN	L.F. Choy, I.J. Fair, W.A. Krzymien	"Complexity-Performance Trade-offs in Turbo Codes for IMT-2000," in Proc. 2000 IEEE Vehicular Technology Conference, Boston, MA, USA, pp 4.6.2.4
SMD	AO	D. Divsalar and F. Pollara	"Multiple Turbo Codes for Deep-Space Communications," <i>The JPL TDA Progress Report 42-121, Jan-March 1995</i> , May 15, 1995
SMS	AP	S. Benedetto, D. Divsalar, G. Montorsi, F. Pollara	"A Soft-Input Soft-Output APP Module for Iterative Decoding of Concatenated Codes," IEEE Communication Letters, Jan. 1997
SMS	AQ	F. Khaleghi, A. Khandani, N. Secord, A. Gutierrez	"On Symbol-based Turbo Codes for cdma2000," Wireless Communications and Networking Conference, 1999. WCNC. 1999 IEEE, vol. 1, 1999 pp 471-745
SMS	AR	H. Michel, A. Worm, N. Wehn	"Influence of Quantization on the Bit-Error Performance of Turbo-Decoders," In Proc. 2000 IEEE Vehicular Technology Conference, Tokyo, Japan, pp 581-585
SMS	AS	Dr. Jason P. Woodard	"Implementation of High Rate Turbo Decoders for Third Generation Mobile Communications," IEEE Colloquium on Turbo Codes in Digital Broadcasting, 1999, pp 12.1-12.6
SMD	AT	A. Worm, P. Hoeher, N. Wehn	"Turbo-Decoding Without SNR Estimation," IEEE Communication Letter, Vol. 4, No. 6, June 2000
SMS	AU	A.J. Richardson	"Performance of WCDMA Turbo Code Decoders-Part 1," Imagicom Technical Report TR01-001, Sept. 20, 1999
SNR	AV	M. Marandian, J. Fridman, Z. Zvonar, M. Salehi	"Performance Analysis of Sliding Window Turbo Decoding Algorithms for 3GPP FDD Mode," International Journal of Wireless Information Networks, Vol. 9, No. 1, Jan. 2002
SNS	AW	P. Robertson	"Improving Decoder and Code Structure of Parallel Concatenated Recursive Systematic (Turbo) Codes," IEEE, Sessions 1.8 & 1.9, April 1994
SNS	AX		3G TS 25.212 V3.2.0 (2000-03) <a href="http://www.3gpp.org">http://www.3gpp.org</a> ; 3 <sup>rd</sup> Generation Partnership Project: Technical Specification Group Radio Access Network; Multiplexing and channel coding (FDD), (Release 1999)

Stayed Up Late

10/12/05

Examiner Signature: Seph Bok

Date Considered: 10/12/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.